



Attorney Docket No.: 4910-8RCE

FILING FEE COMPUTATION SHEET

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Assistant Commissioner for Patents
BOX PATENT APPLICATION
Washington, DC 20231

Dated: November 8, 2002

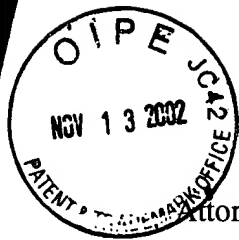
In re RCE Application of: Lie-Fen SHYURet al.

For: A Truncated Form of Fibrobacter Succinogenes 1,3-1,4-Beta-D-
Glucanase With Improved Enzymatic Activity And Thermo-Tolerance
Parent Serial No.: 09/654,652

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The filing fee has been calculated as shown below:

FOR:	Col. 1	Col. 2	SMALL ENTITY	OTHER THAN SMALL ENTITY
	# FILED	# EXTRA		
BASIC FEE			\$370	\$740
TOTAL CLAIMS	17 - 20 =		x 9 = \$	x 18 = \$
INDEPENDENT CLAIMS	2 - 3 =		x 42 = \$	x 84 = \$
<input type="checkbox"/> MULTIPLE DEPENDENCY			+\$140 = \$	+ 280 \$
* If the difference in Col. 1 is less than zero, enter "0" in Col. 2			TOTAL: \$ 370	\$



Attorney Docket # 4910-8RCE

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re RCE Application of

Lie-Fen SHYUR et al.

Parent Serial No.: 09/654,652

Parent Filed: September 05, 2000

For: A Truncated Form of Fibrobacter
Succinogenes 1,3-1,4-Beta-D-
Glucanase With Improved
Enzymatic Activity And Thermo-
Tolerance

Check box if applicable:

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GENERAL AUTHORIZATION FOR PAYMENT OF FEES
AND PETITIONS FOR EXTENSIONS OF TIME

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Assistant Commissioner for Patents

BOX PATENT APPLICATION

Washington, DC 20231

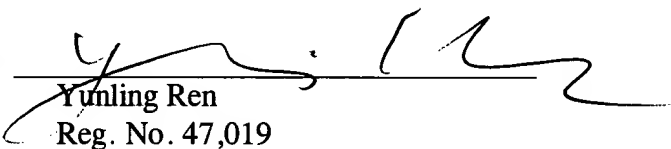
Sir:

The Commissioner is hereby authorized to credit overpayments or charge the following fees to Deposit Account No. 03-2412

- [X] Any filing fees required under 37 CFR §1.16.
- [X] Any patent application processing fees under 37 CFR §1.17 not otherwise paid by check.
- [X] The issue fee set in 37 CFR 1.18 at 3 months from mailing of the Notice of Allowance, pursuant to 37 CFR 1.311 (b) provided the fee has not already been paid by check.
- [X] Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,
COHEN, PONTANI, LIEBERMAN & PAVANE

By


Yunling Ren

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Dated: November 8, 2002



Attorney Docket # 4910-8RCE

Patent

#16/c
(~~DMT~~)
DMT
12-3-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re RCE Application of

Lie-Fen SHYUR et al.

Serial No.: 09/654,652

Filed: September 05, 2000

For: A Truncated Form of Fibrobacter Succinogenes
1,3-1,4-Beta-D-Glucanase With Improved
Enzymatic Activity And Thermo-Tolerance

Examiner: Y. Pak

Group Art: 1652

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November 8, 2002

(Date of Deposit)

Yunling Ren

Name of applicant, assignee or Registered Representative

Signature

November 8, 2002

Date of Signature

Assistant Commissioner for Patents
Washington, DC 20231

PRELIMINARY AMENDMENT

SIR:

Prior to examination of the above-identified application, amend the application as

follows:

IN THE CLAIMS:

Please cancel claims 1-7.

Please add the following new claims:

20. (new) An isolated truncated glucanase having enhanced glucanase activity and
an amino acid sequence of a total number of amino acid residues between 246 to 321, wherein a
portion of said sequence containing at least 246 amino acid residues starting at amino acid
residue 5, and extending therefrom is substantially identical to a corresponding portion of the
amino acid sequence of a wild-type glucanase from *Fibrobacter succinogenes*, said corresponding

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